

[illegible]

1 1. A method of managing a distributed transaction, the method comprising the steps of:
2 gathering latency information by monitoring latency of a network;
3 generating one or more time period values based on said latency information;
4 determining whether to terminate distributed transactions based on said one or more
5 time period values;
6 determining whether said latency information indicates that changes in the latency of
7 said network satisfy adjustment criteria; and
8 if said latency information indicates that changes in the latency of said network satisfy
9 adjustment criteria, then adjusting said one or more time period values.

1 2. The method of Claim 1, wherein a participant participating in said distributed
2 transaction executes a transaction from said distributed transaction and terminates said
3 transaction based on termination criteria that includes at least one criterion based on a
4 particular value from said one or more time period values.

1 3. The method of Claim 2, wherein said distributed transaction is managed by a
2 coordinator that cooperates with said participant to execute the distributed transaction
3 by communicating messages with the participant over the network.

1 4. The method of Claim 3, wherein the step of communicating with the participant over
2 the network is performed using a stateless protocol.

1 10. The method of Claim 2, further including the step of determining a transaction
2 execution threshold period that reflects a period of time needed for said participant to
3 execute operations for transactions, wherein said particular value is based on said
4 transaction execution threshold period.

1 11. The method of Claim 1, wherein:
2 said transaction specifies a modification to an item of data; and
3 said participant determines whether said transaction satisfies termination criteria
4 before allowing another modification specified by another transaction for said
5 item of data.

1 12. A method of managing a distributed transaction, the method comprising the steps of:
2 determining a set of one or more transaction execution periods for transactions
3 executed by a participant that participates in distributed transactions, wherein
4 each transaction execution period of said set of one or more transaction
5 execution periods reflects the period of time that elapsed for said participant to
6 execute said each transaction;
7 if a difference between each of said set of one or more transaction execution periods
8 and a transaction execution threshold period satisfies adjustment criteria, then
9 adjusting said transaction execution threshold period; and
10 wherein termination criteria used to determine whether to terminate said distributed
11 transaction is based on said transaction execution threshold period.

1 13. The method of Claim 12, wherein said adjustment criteria include a criterion that said
2 difference is so great that each of said set of one or more transaction execution
3 periods lies outside a range based on said transaction execution threshold period.

1 14. The method of Claim 12, further including the steps of
2 monitoring a network for changes in latency of the network; and
3 generating one or more time period values based on said changes in latency, wherein
4 said termination criteria include a criterion based on said one or more time
5 period values.

1 15. A method of managing a distributed transaction, the method comprising the steps of:
2 monitoring latency of a network, wherein said latency of said network is used to
3 generate one or more time period values used to determine whether to
4 terminate distributed transactions; and
5 if changes in latency satisfy adjustment criteria, then adjusting said one or more time
6 period values used to determine whether to terminate said distributed
7 transaction.

1 16. A computer-readable medium carrying one or more sequences of instructions for
2 managing a distributed transaction, wherein execution of the one or more sequences
3 of instructions by one or more processors causes the one or more processors to
4 perform the steps of:
5 gathering latency information by monitoring latency of a network;

6 generating one or more time period values based on said latency information;
7 determining whether to terminate distributed transactions based on said one or more
8 time period values;
9 determining whether said latency information indicates that changes in the latency of
10 said network satisfy adjustment criteria; and
11 if said latency information indicates that changes in the latency of said network satisfy
12 adjustment criteria, then adjusting said one or more time period values.

1 17. The computer-readable media of Claim 16, wherein a participant participating in said
2 distributed transaction executes a transaction from said distributed transaction and
3 terminates said transaction based on termination criteria that includes at least one
4 criterion based on a particular value from said one or more time period values.

1 18. The computer-readable media of Claim 17, wherein said distributed transaction is
2 managed by a coordinator that cooperates with said participant to execute the
3 distributed transaction by communicating messages with the participant over the
4 network.

1 19. A computer-readable medium carrying one or more sequences of instructions for
2 managing a distributed transaction, wherein execution of the one or more sequences
3 of instructions by one or more processors causes the one or more processors to
4 perform the steps of:

5 determining a set of one or more transaction execution periods for transactions
6 executed by a participant that participates in distributed transactions, wherein
7 each transaction execution period of said set of one or more transaction
8 execution periods reflects the period of time that elapsed for said participant to
9 execute said each transaction;
10 if a difference between each of said set of one or more transaction execution periods
11 and a transaction execution threshold period satisfies adjustment criteria, then
12 adjusting said transaction execution threshold period; and
13 wherein termination criteria used to determine whether to terminate said distributed
14 transaction is based on said transaction execution threshold period.

1 20. A computer-readable medium carrying one or more sequences of instructions for
2 managing a distributed transaction, wherein execution of the one or more
3 sequences of instructions by one or more processors causes the one or more
4 processors to perform the steps of:
5 monitoring latency of a network, wherein said latency of said network is used to
6 generate one or more time period values used to determine whether to
7 terminate distributed transactions; and
8 if changes in latency satisfy adjustment criteria, then adjusting said one or more
9 time period values used to determine whether to terminate said distributed
10 transaction.